

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	38	katti-romney-r.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 11:47
S2	1	"EP 1033764"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 11:47
S3	10	"6532164"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 11:47
S4	8	("20020105827" "20030007398" "20030059588" "5764567" "6418048" "6473337" "6532164" "6714444").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 11:54
S5	8	((giant adj magnetoresisti\$3) or "GMR") and (storage adj layer) and (sense adj layer) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and (antiferromagnet\$3 or "AFM")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 18:46
S6	776	((giant adj magnetoresisti\$3) or "GMR") and ((pin\$3 or fix\$3 or hard) adj layer) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj layer) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and (antiferromagnet\$3 or "AFM")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 18:46
S7	565	((giant adj magnetoresisti\$3) or "GMR") and (storage) and (sens\$3) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and (antiferromagnet\$3 or "AFM")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:02
S8	81	(S6 S7) and spacer and (second adj ("AMF" or antiferromagnet\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:04
S9	78	S8 not (S1 S2 S3 S4 S5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:03
S10	32	S9 and (spacer and (second adj ("AMF" or antiferromagnet\$3))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:23
S11	3	S9 and (spacer and (second adj ("AMF" or antiferromagnet\$3))).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:04
S12	45	S9 not (S10 S11)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/01 12:23
S13	24	("4949039" "5206590" "5475304" "5534355" "5583725" "5616370" "5650887" "5686838" "5688605" "5696655" "5696656" "5702832" "5705973" "5717550" "5725963" "5738946" "5739988" "5739990" "5742162" "5748524" "5751521" "5756191" "5764056" "5768069").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/01 12:35
S14	3	("6169647").URPN.	USPAT	OR	ON	2005/09/01 12:38

EAST Search History

S15	776	((giant adj magnetoresisti\$3 or "GMR") and ((pin\$3 or fix\$3 or hard) adj layer) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj layer) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and (antiferromagnet\$3 or "AFM"))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:16
S16	485	S15 and spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:17
S17	92	S16 and (second adj (antiferromagnet\$3 or "AFM"))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:19
S18	53	S17 not barrier	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:19
S19	42	S18 not synthetic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:19
S20	29	S19 and ("NiFeCo" or "NiFe" or "CoFe")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S21	17	S20 and (substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:20
S22	8	(US-20030184918-\$ or US-20040085683-\$ or US-20050098809-\$).did. or (US-5705973-\$ or US-6169647-\$ or US-6714444-\$ or US-6744086-\$ or US-6920063-\$).did.	US-PGPUB; USPAT	OR	ON	2005/09/02 15:21
S23	17	S21 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 15:21
S24	776	((giant adj magnetoresisti\$3 or "GMR") and ((pin\$3 or fix\$3 or hard) adj layer) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj layer) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and (antiferromagnet\$3 or "AFM"))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:41
S25	485	S24 and spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S26	92	S25 and (second adj (antiferromagnet\$3 or "AFM"))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S27	53	S26 not barrier	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38

EAST Search History

S28	42	S27 not synthetic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S29	29	S28 and ("NiFeCo" or "NiFe" or "CoFe")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:44
S30	17	S29 and (substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S31	8	(US-20030184918-\$ or US-20040085683-\$ or US-20050098809-\$).did. or (US-5705973-\$ or US-6169647-\$ or US-6714444-\$ or US-6744086-\$ or US-6920063-\$).did.	US-PGPUB; USPAT	OR	ON	2005/09/02 16:38
S32	17	S30 not S31	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:38
S33	12	S29 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:40
S34	13	S28 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:40
S35	330	((pin\$3 or fix\$3 or hard) adj layer) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj layer) and ((non-magnetic or nonmagnetic or (non adj magnetic)) adj layer) and ((second adj antiferromagnet\$3 or "AFM")) and spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:43
S36	288	S35 not S28	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:43
S37	182	S36 not synthetic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:44
S38	115	S37 and ("NiFeCo" or "NiFe" or "CoFe")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:44
S39	85	S38 and (substrate and sens\$3 and storage)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:45
S42	6	S39 and (sens\$3 near2 antiferromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/09/02 16:49
S43	8	("4949039" "5018038" "5287238" "5475304" "5508867" "5546253" "5583725" "5600297").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/03 15:29

EAST Search History

S44	24	("4949039" "5206590" "5475304" "5534355" "5583725" "5616370" "5650887" "5686838" "5688605" "5696655" "5696656" "5702832" "5705973" "5717550" "5725963" "5738946" "5739988" "5739990" "5742162" "5748524" "5751521" "5756191" "5764056" "5768069").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/03 15:31
S45	5	("5018037" "5206590" "5287238" "5508867" "5583725").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/03 15:35
S46	29	("5742162").URPN.	USPAT	OR	ON	2005/09/03 15:36
S47	15	("4780848" "5565695" "5587943" "5629549" "5640343" "5654566" "5691936" "6055179" "6124711" "6140838" "6172902" "6272036" "6385082" "6535416" "6538919").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/03 15:45
S48	0	("2003/0184918").URPN.	USPAT	OR	ON	2005/09/03 16:00
S49	14	("4616281" "4878140" "4954920" "5329413" "5358088" "5378885" "5627703" "5701222" "5751521" "5768066" "5768069" "5856897" "5936810" "6185079").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/03 16:21
S50	6	("6469873").URPN.	USPAT	OR	ON	2005/09/03 16:24
S51	13	(US-20010006443-\$ or US-20010030839-\$ or US-20030184918-\$ or US-20040085683-\$ or US-20050098809-\$).did. or (US-6714444-\$ or US-6744086-\$ or US-6392849-\$ or US-5705973-\$ or US-6169647-\$ or US-6469873-\$ or US-6680828-\$ or US-6920063-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/23 18:38
S52	12	S51 and stor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 18:38
S53	2	S51 and (stor\$3 adj (plate or layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 18:39
S54	1	S53 and ((pin\$3 or fix\$3 or hard) adj (plate or layer)) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj (plate or layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 19:25
S55	15	("4780848" "5565695" "5587943" "5629549" "5640343" "5654566" "5691936" "6055179" "6124711" "6140838" "6172902" "6272036" "6385082" "6535416" "6538919").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:23
S56	11	S51 and ((pin\$3 or fix\$3 or hard) adj (plate or layer)) and ((sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) adj (plate or layer)) and storag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 19:26
S57	8	S51 and ((pin\$3 or fix\$3 or hard or sens\$3 or soft or turn\$4 or free\$3 or rotat\$3) with storag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/23 19:44
S58	88	("GMR" or (giant adj magnet\$3resist\$3)) and ((stor\$3 and sen\$3) near2 (layer or plate)) and antiferro\$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 13:51
S59	78	S58 and (@rlad<"20031112" or @ad<"20031112")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 11:56

EAST Search History

S60	69	S59 and ((non adj magnet\$3) or nonmagnet\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 11:57
S61	52	S60 and spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 11:58
S62	14	S61 and ((stor\$3 and sen\$3) adj2 (layer or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 13:44
S63	47	S61 and ((stor\$3 or sen\$3) adj2 (layer or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 12:00
S65	18	S63 not S62	USPAT	OR	ON	2006/02/24 12:44
S67	1872	257/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 13:48
S69	631	257/E43.004.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 13:45
S70	5	S69 and ("GMR" or (giant adj magnet\$3resist\$3)) and ((stor\$3 and sen\$3) near2 (layer or plate)) and antiferro\$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/02/24 13:46
S71	3	((("GMR" or (giant adj magnet\$3resist\$3)) and ((stor\$3 and sen\$3) near2 (layer or plate)) and antiferro\$).clm.	US-PGPUB	OR	ON	2006/02/24 13:51